USER MANUAL

CE

Immunofluorescence Analyzer MPQuanti™

For the *in-vitro* quantitative detection of various biomarkers in human serum, plasma, and whole blood with specific diagnostic test kits.

Cat. No. 07IMA001

Customer Service: diagnostics@mpbio.com

www.mpbio.com

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INTRODUCTION

1.1 Intended Use

The Immunofluorescence Analyzer MPQuanti™ is an analyzer that based on detection of fluorescence emitted during an immunoassay with antigen-antibody interaction. The analyzer is designed to provide quantitative or qualitative test results by the examination of human samples with specific *in-vitro* diagnostic test kits including inflammation markers, tumor markers, nephrology, diabetes, cardiac markers, coagulation, endocrinology, autoimmunity, infectious diseases and etc. Immunofluorescence Analyzer MPQuanti™ offers the advantages of high accuracy, strong stability and fast results. The analyzer should only be used with *in-vitro* diagnostic tests manufactured by MP Biomedicals Germany GmbH as per package insert provided with specific test kits used.

For professional *in-vitro* diagnostic use and Point-of-Care use.

Please read this User Manual carefully before operation.

1.2 Scope of Application

The analyzer is intended for professional *in-vitro* diagnostic and point-of-care use, the analyzer and can be used in central laboratories, outpatient and emergency departments, clinical departments or medical service institutions (such as community health centers), medical centers, etc. It can also be used in research laboratories.

1.3 Product Name and Model

Name: Immunofluorescence Analyzer MPQuanti™

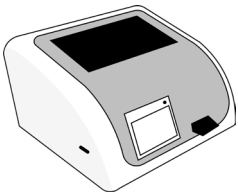
Model: 07IMA001

COMPONENTS AND PARAMETERS

2.1 Standard Equipment List

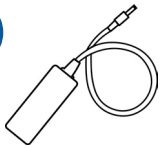
After unpacking, check whether components are missing or damaged according to the following packing list.

1x



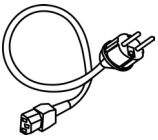
Analyzer MPQuanti™

1x



Power Adapter
GSM60A24-P1J

1x



Power Cord

1x

Print Paper Roll
57*30mm

1x

Touch Pen

2x

QC Test Cassettes

1x

User Manual

ATTENTION

Check the components according to above list. If any damage is found, please contact your local distributor.

2.2 Technical Specification

No.	Parameter	Description
1	Principle	Principle of Fluorescence Immunoassay
2	Test formats	Cassette
3	Measurement	Quantitative, Qualitative
4	Read Time	<20 seconds
5	Test Time	Ref: Analytes
6	Specimen	Ref: Package Insert

No.	Parameter	Description
7	Dimension	220 mm x 190 mm x 120 mm (L x W x H)
8	Analyzer net weight	2 kg
9	Screen size	7 inches
10	OS	Windows-Compatible proprietary program
11	Memory	10,000 records
12	Printer	Built-in thermal printer
13	Ports	LAN x 1, USB x 2, COM x 1

2.3 Transportation and Storage Conditions

2.3.1 Packaging

Packing cases should be reinforced with shockproof liners and moisture-proof packing (plastic bags).

2.3.2 Transportation

- **Temperature: -30 °C ~ 55 °C.**
- **Relative humidity: ≤85%.**
- **Environment: no toxic gases, flammable, explosive substances and corrosive gases are allowed. Attention should be paid to moistureproof, shock and severe vibration during transportation.**

2.3.3 Storage

- **Storage temperature: 5 °C ~ 45 °C.**
- **Relative humidity: ≤85%.**
- **Atmospheric pressure: 86 kPa ~ 106 kPa, no corrosive gas.**

2.4 Operating Conditions

- Adapter input: 100 - 240 VAC, 50/60 Hz.
- Power: 60 W.
- Environment temperature: 10 °C ~ 30 °C.
- Relative humidity: ≤85%.
- Atmospheric pressure: 86 kPa ~ 106 kPa.

PRINCIPLE AND STRUCTURE

3.1 Operating Principle

This analyzer excites the reacted test cassette which is a based on europium microspheres marked fluorescence immunoassay with a UV LED light source, then collects, analyzes and calculates the signal from the test cassette, and gives the test result.

3.2 Analyzer Composition

1 External View

NOTE The appearance of the analyzer and its accessories are subject to the physical object.

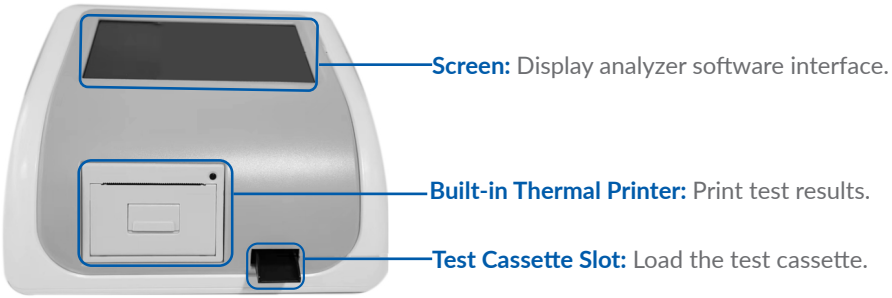


Fig. 3.2.1 Front View

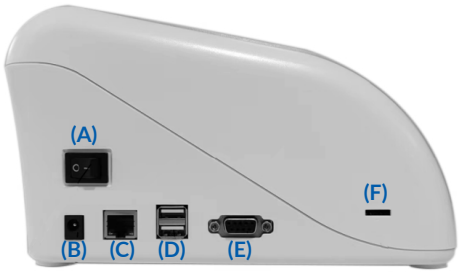


Fig. 3.2.2 Side View

(A) Power Switch: Power on or off the analyzer.

(B) Power Interface: Connect the power adapter, as shown in Fig. 3.2.3.

(C) LAN Port: Connect network cables.

(D) USB Port: To upgrade and export data with USB disk, or connect a scanner.

(E) COM Port: Used to transmit data to LIS.

(F) ID Card Slot: Insert ID card here and import information of the product standard curve.

2 Power Adapter and Power Cord

Fig. 3.2.3 Power adapter

Fig. 3.2.4 Power cord

3 QC Test Cassette

Fig. 3.2.5 QC test cassette

ANALYZER INSTALLATION

4.1 Environment

MPQuanti™ should be used on flat indoor surfaces. Specific installation environment requirements are as follows:

- **The table top is flat, the area is sufficient for the installation of the analyzer and has sufficient strength, and the surrounding environment is free from mechanical vibration.**
- **The room is well ventilated to ensure that the heat generated by the electrical equipment inside the analyzer can be discharged in time.**
- **The indoor air is clean and as far as possible without dust, corrosion and combustible gas, cleanliness to meet the environmental standards of the national clinical laboratory department.**
- **Keep away from direct sunlight, cold and hot air sources such as air conditioners.**
- **The altitude not exceed 2,000 m.**
- **Environment temperature: 10 °C ~ 30 °C.**
- **Relative humidity: ≤85 %.**
- **Atmospheric pressure: 86 kPa ~ 106 kPa.**
- **Adapter Rate: 100 - 240 VAC, 50 Hz/60 Hz.**
- **Power: 60 W.**
- **There is no noise and power interference in the room.**
- **Keep away from strong electromagnetic interference sources.**

4.2 Installation

Please place the analyzer on a flat table with sufficient area and no vibration. The bearing capacity of the table is more than 2 kg and the platform area is >70 cm x 50 cm; Keep a sufficient distance between the device and the wall. Do not place the device in a position where it is difficult to operate and disconnect the device. Take out the power adapter, connect one end of the device to the power interface on the left side panel of the analyzer, and connect the other end to the power cord then

connect the power cord to the power supply socket. There must be good grounding protection, and the grounding resistance should meet the relevant national standards. There should be independent and reliable ground cables in the room, and they should not share the same line with high-power electrical equipment.

4.3 Installation Precautions

- **Please choose a suitable place according to the environment, power supply and space requirements.**
- **The connection between the power cord and the analyzer must be safe, firm and in good contact. After confirming the connection, start the machine.**
- **When using, avoid direct sunlight as far as possible, and prohibit non-professional maintainer to open the analyzer.**
- **Please do not put water containers or metal objects on the analyzer. If water or metal objects fall into the analyzer accidentally, unplug the power cord in time and cut off the power supply. Find a professional to deal with it.**
- **If there is smoke, abnormal sound, or peculiar smell, disconnect the power supply and contact professional in time.**
- **Please avoid the impact of external force on the analyzer.**
- **When the analyzer is working, do not put your hand on the working area of the analyzer to avoid injury.**
- **Ensure that the analyzer is powered off and the power adapter is removed while the analyzer is not working. Do not move the analyzer while the power is on.**

INSTRUCTIONS FOR USE

5.1 Power On

Turn on the power switch  . The main interface is displayed after analyzer initialization (Fig. 5.1.1).

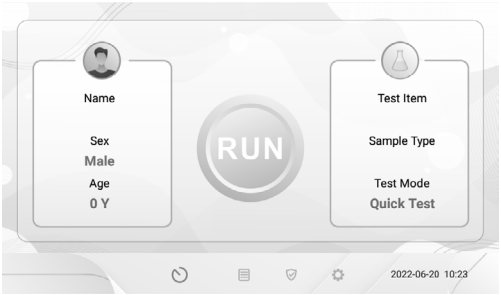


Fig. 5.1.1 Start Screen

NOTE The identifier of "- " means ON, "O" means OFF.

5.2 QC Test

Select the button  on the main interface, to enter the quality control interface, as shown in Fig. 5.2.1.

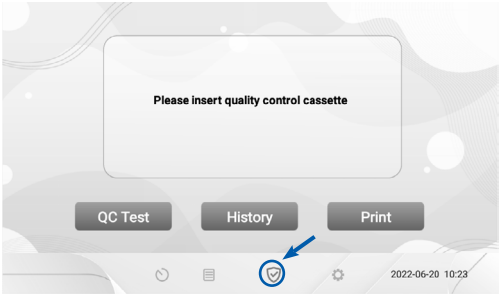


Fig. 5.2.1 QC Test

Insert the quality control test cassette into the end of the test cassette slot in the direction of the arrow (Fig. 5.2.2), as shown in Fig. 5.2.3.

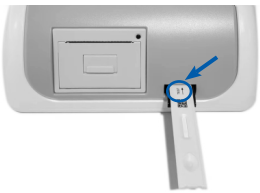


Fig. 5.2.2 Insert in Direction of Arrow

Fig. 5.2.3 Insert Cassette

Touch the “QC Test” button to start quality control test, and the results are shown in Fig. 5.2.5.

Fig. 5.2.4 Open History

Fig. 5.2.5 Result QC Test

View the quality control record

1. Touch the **“History”** button on the main interface of quality control test to view the record, as shown in Fig. 5.2.7.
2. Touch **“Select All”** button to select all records.
3. Touch **“Print”** button to print the selected quality control record.
4. Touch **“Delete”** button to delete the selected quality control record.
5. Touch **“Back”** button to return to quality control interface.

Fig. 5.2.6 Open History

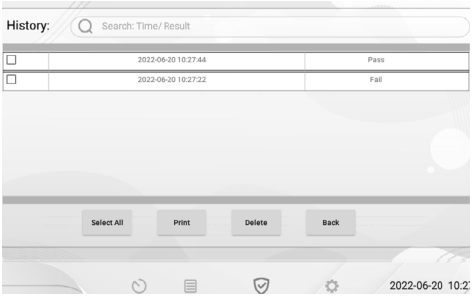


Fig. 5.2.7 View History

Print

Touch the **“Print”** button on the main interface of quality control to print the current quality control test result, as shown in Fig. 5.2.8.

Fig. 5.2.8 Print QC Result

5.3 History

Touch the button to enter history interface where the test result stored.

1 Search by Name:

Enter the patient's name in the search bar and touch the to search, all the test results of the patient can be queried, as shown in Fig. 5.3.1.

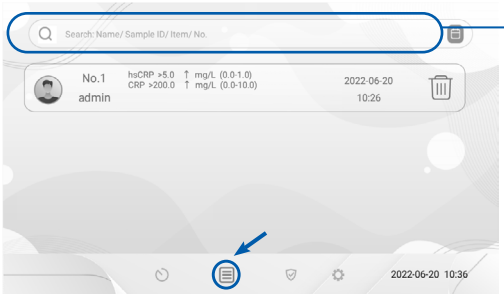


Fig. 5.3.1 Search by Name

2 Search by Sample ID:

Enter the sample ID in the search bar and touch the button to search for all test results under the sample ID, as shown in Fig. 5.3.2.

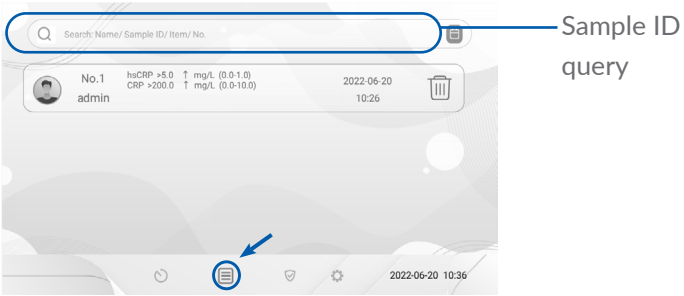


Fig. 5.3.2 Search by Sample ID

3 Search by Test Items:

Enter the test item in the search bar and touch the button to search for all test results under the items, as shown in Fig. 5.3.3.

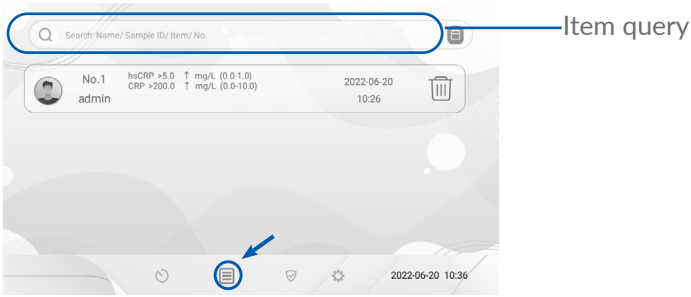


Fig. 5.3.3 Search by Test Item

4 Search by Test Date:

Select the calendar icon on the history interface to enter the calendar interface (as shown in Fig. 5.3.4 and 5.3.5).

Enter the target time and touch “Confirm” button then touch button to search for all test result.

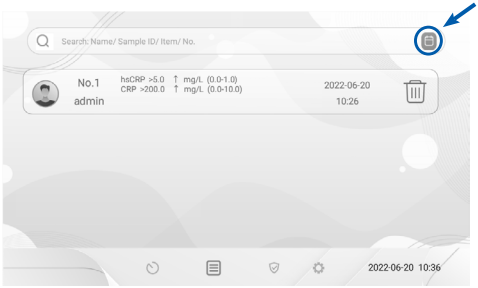


Fig. 5.3.4 Search by Test Date

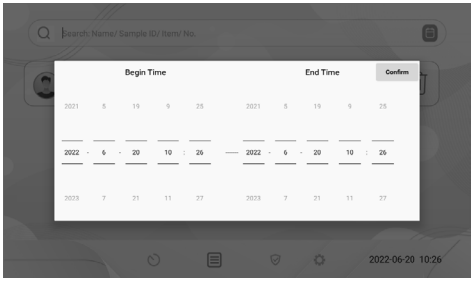


Fig. 5.3.5 Search by Test Date

5.4 Settings

Touch the setting button on the main screen "**About**", "**System Setting**", "**Time setting**", "**Factory Reset**" can be operated in this interface, as shown in Fig. 5.4.1.

Fig. 5.4.1 About

1 About

Enter the setting interface and select "About" button to view the software version number, as shown in Fig. 5.4.1, scan the QR code on the interface to watch the instrument operation video.

2 System Setting

Enter the setting interface and select "System Setting" button to enter the system interface, as shown in Fig. 5.4.2.

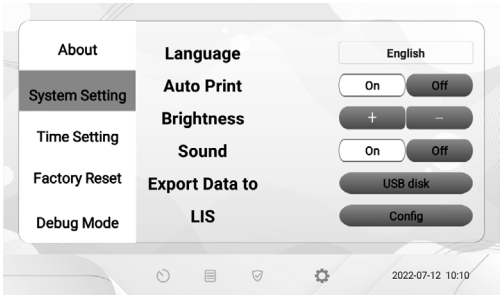


Fig. 5.4.2 System Setting

Language

Touch "Language" to choose different language.

Fig. 5.4.3 Language

Auto Print

Select “On” or “Off” button to turn automatic printing on or off.

On: Print the result automatically after a test finished.

Off: Do not print the result after a test finished automatically.

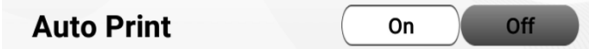


Fig. 5.4.4 Auto Print

Brightness

Select “+” button to increase screen brightness.

Select “-” button to reduce screen brightness.

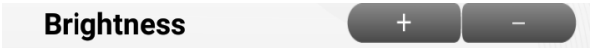


Fig. 5.4.5 Brightness

Sound

Select “On” or “Off” to set or turn off analyzer beeps.

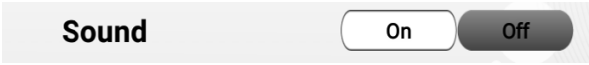


Fig. 5.4.6 Sound

Export Data to

The function is used for data export.

The operation is as below:

1. Insert the USB disk into the USB port.
2. Touch the USB disk button (Fig. 5.4.7) and the data will be exported. If the USB disk is not inserted, the interface prompts “Please insert USB disk”, as shown in Fig. 5.4.8.

Fig. 5.4.7 Export Data to

Fig. 5.4.8 USB is missing

During the data export process, the button “Export Data to” turns gray (see Fig. 5.4.9). When the export is completed, the color of the button will be restored and a message indicating that the data export is successful will display, as shown in Fig. 5.4.10.

Fig. 5.4.9 Export Data to

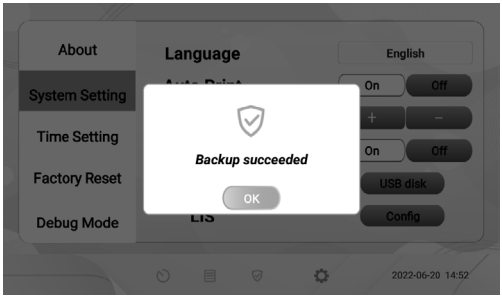


Fig. 5.4.10 Data Export is successful

LIS

Before using the LIS function, users need to communicate with technician for requirements and configuration problems. After the function is opened, the test data can be upload to LIS.

Fig. 5.4.11 LIS

3 Time Setting

Enter the setting interface and select the “**Time Setting**” button.

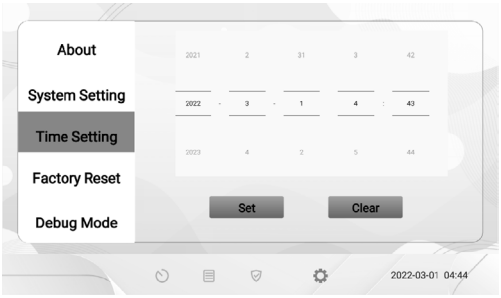


Fig. 5.4.12 Time Setting

- Set year, month, day, hour, minute, and second based on the current time zone. After setting, select "**Set**" button to save setting. Touch the "**Clear**" button will clear the settings and restore the current time.

4 Factory Reset

Select "**Factory Reset**" button to enter the restore factory settings interface, as shown in Fig. 5.4.13.

Fig. 5.4.13 Factory Reset

- In the pop-up interface, select the "**Factory Reset**" option, touch "**Confirm**" to clear all data and restore the initial settings; touch "**Cancel**" to abandon the factory reset.

Fig. 5.4.14 Confirm

5.5 Test

1 Item Information Import

Step 1 Insert the ID card (Fig. 5.5.1) into the ID Card Slot, as shown in Fig. 5.5.2.

Fig. 5.5.1 ID Card

Fig. 5.5.2 ID Card Slot

Step 2 The ID card information import interface will be displayed , as shown in Fig. 5.5.3. Touch “OK”.

Fig. 5.5.3 Import is successful

Step 3 Take out the ID card after the information is imported successfully.

2 Patient Information Input

Step 1 Touch the patient information frame on the left of the main interface, as shown in Fig. 5.5.4, and enter the editing interface, as shown in Fig. 5.5.5.

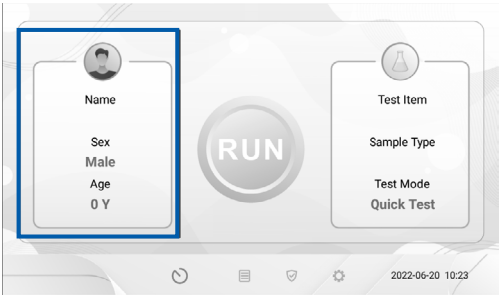


Fig. 5.5.4 Patient Information

Fig. 5.5.5 Editing Interface

Step 2 Edit "**Sample ID**"; " **Name**"; "**Sex**"; " **Age**"; "**Operator**". The sample ID can be entered manually or scanned with a scanner. Ages "**Y**", "**M**" and "**D**" are units, such as 12M for a 12-month-old baby.

Step 3 Touch "**YES**" to save the patient information after filling in the information.

3 Test Mode

Mode 1: Quick Test Mode

Step 1 If necessary, touch the item information frame and choose the "**Quick Test**" mode.

Step 2 Insert test cassette.

Add the sample into the test cassette and wait for incubation (refer to diagnostic kit IFU). After the incubation time is over, insert the test cassette into the end of the test cassette slot in the direction of the arrow, as shown in Fig. 5.2.2, Fig. 5.2.3.

Step 3 Touch the "**RUN**" button, the analyzer automatically matches the item information.

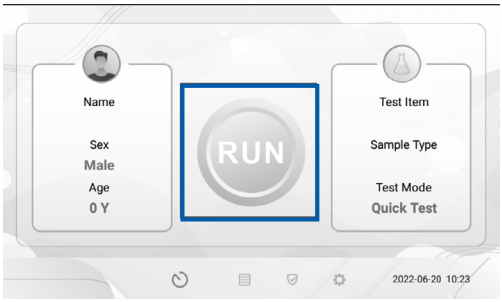


Fig. 5.5.6 Run

Step 4 Confirm the Sample Type:

On the pops up interface, select "**Sample Type**" and touch "**YES**".

NOTE ▶ When switching items, a window will pop up to confirm the sample type.

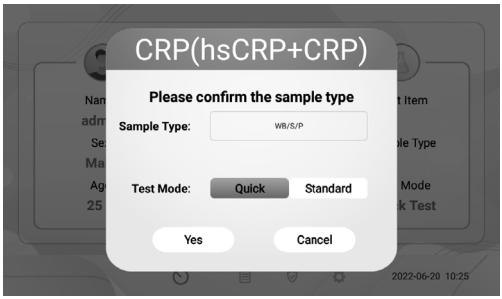


Fig. 5.5.7 Confirm Sample Type

Step 5 Display Results:

Wait a few seconds, the test result will be displayed, as shown in Fig. 5.5.8, at the same time, the test cassette slot will pop up to exit the test cassette.

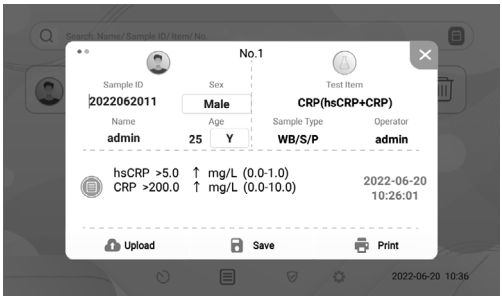


Fig. 5.5.8 Display Results

Mode 2: Standard Test Mode

Step 1 If necessary, Touch the item information frame (see Fig. 5.5.9) and choose the **"Standard Test"** mode.

Step 2 Insert test cassette:

Add the sample into the test cassette, insert the test cassette into the end of the test slot in the direction of the arrow immediately, as shown in Fig. 5.2.2 and Fig. 5.2.3.

Step 3 Touch the "**RUN**" button, the analyzer will automatically match item information.

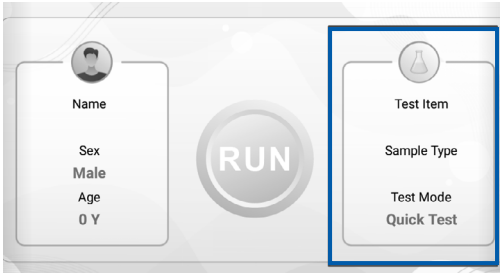


Fig. 5.5.9 Item Information Frame

Step 4 Confirm the Sample Type:

On the pop up interface, select "**Sample Type**" and touch "**YES**" and a countdown will appear, as shown in Fig. 5.5.10 and Fig. 5.5.11.

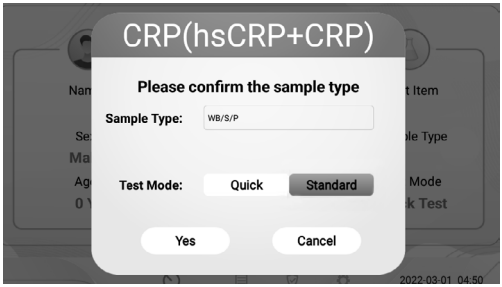


Fig. 5.5.10 Confirm Sample Type

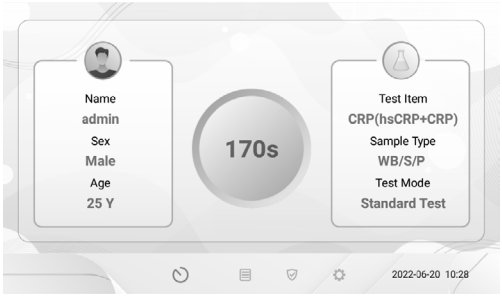


Fig. 5.5.11 Item Information

NOTE

1. When switching projects, a window will pop up to confirm the sample type.
2. Interrupt the test:
   If the test needs to be interrupted, touch the countdown number and select the "**Discard**" button in the interface (as shown in Fig. 5.5.12). When the test is

interrupted, the test cassette slot will pop up. If you select the "**Cancel**" button, the test will continue.

Fig. 5.5.12 Discard

Step 5 Result Display:

After the countdown, the test result will be displayed, as shown in Fig. 5.5.8. At the same time, the test cassette slot will pop up to realease the test cassette.

Upload Data

Touch the "**Upload**" button in the result interface to upload data.

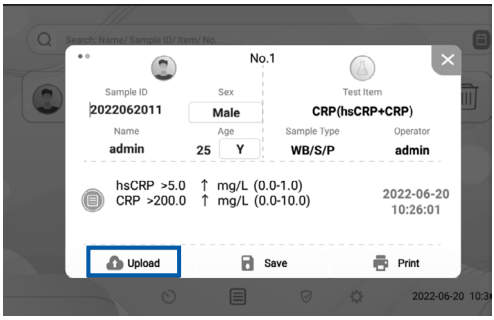


Fig. 5.5.13 Upload Data

Save Results

Touch the "**Save**" button on the result interface to save the test result.

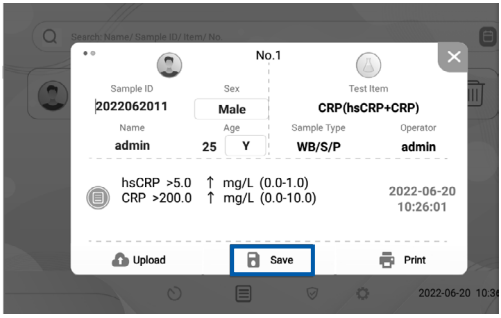


Fig. 5.5.14 Save Results

NOTE ▸ When the memory exceeds 8,000, the system will prompt "**Test records exceed 80%**" (as shown in Fig. 5.5.15); when the memory is full of 10,000, the system will prompt "**Data storage is full**" (as shown in Fig. 5.5.16).

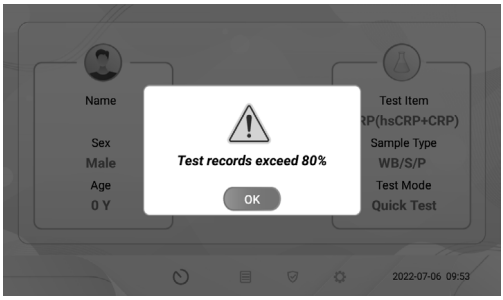


Fig. 5.5.15 Data Storage 80% Full

Fig. 5.5.16 Data Storage is Full

Print Results

Touch "**Print**" on the result interface to print the test result.

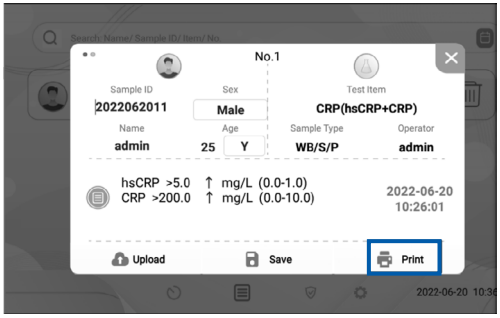


Fig. 5.5.17 Print Results

MAINTAINING

6.1 Attention

- Analyzer and other components must be inspected regularly by manager.
- Ensure that the power socket is reliably grounded. If not, replace the power socket.
- Visually check whether the power cord is deformed, or broken. If yes, it may cause fire due to electric leakage. Contact technical support immediately to replace the power cord.

6.2 Analyzer Maintaining

- The analyzer only needs external cleaning and dust removal, no special maintenance items.
- Before cleaning and removing dust, the power switch must be turned off and the power cord must be disconnected.
- When cleaning the analyzer, use a wet cloth and 70% ethanol to clean the outer surface of the analyzer. Do not use strong bleach (≥0.5% solution), as oxidants and solvents may damage the analyzer casing and touchscreen. Be careful not to clean any internal parts or internal surfaces.
- Check the printer daily for paper shortage to ensure that the report can be printed smoothly after a test.
- If the customer uses the method other than the instructions in this manual to clean the analyzer, please consult the technical service personnel first.
- If the equipment is not used for a long time, it must be thoroughly disinfected and stored in the original packaging in accordance with the storage conditions in 2.3.3 Storage.
- Before cleaning the analyzer, turn off the analyzer and ensure that the power cord plug is disconnected to avoid short circuit and electric shock danger.

PRECAUTIONS AND IDENTIFICATION

7.1 Precautions

- Precautions users: professionals in medical institutions or qualified personnel trained by technical engineers.

  NOTE ▸ Persons other than the above-mentioned persons should not operate the analyzer, and the company will not be responsible for the malfunction of the analyzer caused by this.

- Use test kits manufactured by MP Biomedicals and supplied by authorized distributors of MP Biomedicals only. Do not use the assay test from other manufacturer, it may lead inaccurate test result.

- The customer must prepare for the installation according to the instructions.

- Only authorized technical service personnel can carry out installation work, only professionals can carry outafter-sales service and repairing work, and only maintenance work specified in the manual can be performed by users.

- Improper operation of the analyzer under electric condition will cause damage to the analyzer. It is not allowed to interfere with the normal movement of the analyzer.

- If there is liquid inside the analyzer, please turn off the analyzer and cut off the power in time, and the after-sales service personnel will check and clean up.

- Operations specified in the specification to be performed by technical service personnel must be performed by authorized technical engineers.

- Materials from human or animal sources, as well as tissue or *in-vitro* cultures, must be handled in accordance with the principle of potential risk of infection. Always wear appropriate protective equipment such as approved disposable gloves, waterproof laboratory coats and safety goggles when handling biohazardous materials. Dispose of biohazardous materials according to equipment biohazard procedure.

- The following items must be treated as potential biohazards: all *in-vitro* diagnostic equipment, pretreatment equipment, patient samples, serum-based calibration reagents, quality control products and waste materials.

- Waste disposal must comply with local laws and regulations.

- Always wear approved protective equipment when operating or maintaining the system. Protective equipment must include (but not limited to) approved protective gloves, waterproof lab coat, protective masks, and goggles.
- If biohazardous material spills onto the analyzer, it should be cleaned immediately, washed with residual material, and disinfected with disinfectant.
- If any biohazard comes into contact with the skin, wash immediately, disinfect with disinfectant in accordance with laboratory practice, and consult a doctor.
- Fire regulations in the medical field must be strictly observed and enforced and fire extinguishers for both electrical and non-electrical fires must be provided.
- For electrical fires, use only specific extinguishers. Water or other liquid extinguishers can cause serious injury. For the sake of safety, the power supply should be cut off before extinguishing the fire to eliminate the danger of electric shock.
- Keep flammable materials away from the analyzer when using alcohol for repair or inspection. When using ethanol on or around the analyzer, do not exceed 20 mL at a time. Isopropyl alcohol and ethanol (70%) are flammable substances and present combustion, explosion and burn hazards.
- When using the analyzer, the electrical equipment associated with the analyzer should comply with local standards.
- The company will no longer be responsible for the safety, reliability and performance of the products in the following cases:
  1) The instrument use date is not within the expiration date;
  2) Without the authorization of the company, the instrument is disassembled, repaired and so on;
  3) The instrument is not used correctly in accordance with this instruction.
- Any serious incident that has occurred in relation to the device shall be reported to the manufacturer and thecompetent authority.

7.2 Identification

The safety warning symbols involved in this manual remind you to pay attention to the safety warning information. In order to use the analyzer safely and correctly, please be fully familiar with the following safety warning symbols and symbol description, and strictly abide by the safety warning information.

Description of security warning symbols

Caution: Indicates a danger that may cause infection.

Biohazard, contact test samples, calibration products, quality control products should wear gloves, otherwise it may lead to infection.

Beware of electric shock: Do not touch the internal power supply, circuit board and wire of the analyzer when it is powered on.

Protective earthing

TROUBLE SHOOTING, SERVICE AND DISPOSAL

8.1 Common Faults and Troubleshooting

Fault Code	Fault Phenomenon	Possible Cause	Elimination Methods
ERR 3	Command is Error	Reagent card invalid	Replace the test cassette. If the problem persists, contact after-sales engineers.
		Instrument detects component failure	Restart the device. If the fault persists, contact after-sales engineers.
ERR 6	Motor is not Initialized	Mechanical motion failure	Restart the device. If the fault persists, contact after-sales engineers.
ERR 7	Motor exceeds the software limitation	Config. error	Contact with after-sales engineers.

Fault Code	Fault Phenomenon	Possible Cause	Elimination Methods
ERR 8	Motor meets the Limit Sensor	Mechanical movement failure or operation error	Restart the device. If the fault persists, contact after-sales engineers.
ERR 11	Motor is out-of-step	Other fault	Contact with after-sales engineers.
ERR 12	Motor Driver is Error	Other fault	Contact with after-sales engineers.
ERR 27	The Original Sensor is not Found	Other fault	Contact with after-sales engineers.

8.2 Service and Disposal

The internal structure of the product, including the circuit board, optical detection module, touch screen, printer, camera and other important parts, can only be replaced by our company detection box, no third party maintenance.

If the product runs abnormally due to a fault, contact after-sales engineers. We will provide remote technical support to help you troubleshoot. If the analyzer needs to be recalled for maintenance, please send the analyzer back for maintenance as required. If the analyzer needs to be scrapped, the company will provide a new equipment within the warranty period.

If for any reason, the user needs to destroy the product, it is recommended that the user do so in accordance with the Regulations for Class B electronic Instruments.

The service life of this product is 5 years, and the service life of this product is determined according to the instrument life and reliability verification method. During use, the user should maintain and repair the analyzer in accordance with the requirements of the analyzer user manual.

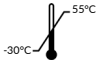
The analyzer that confirmed to maintain the essential safety and effectiveness after maintaining and repair, can be used normally. MP Biomedicals declares that the above service guarantee can only be obtained under the condition of complete

compliance with the instructions in this manual. Otherwise, MP Biomedicals will not take any responsible.

This product is required to comply with the European Unions' Waste Electrical & Electronic Equipment (WEEE) Directive. If you wish to discard electrical and electronic equipment (EEE), please contact your dealer or supplier for further information.

EXPLANATION OF SYMBOLS


Consult instructions for use or consult electronic instructions for use



Temperature limit


Manufacturer


Fragile, handle with care


Caution

Unique device identifier


Keep dry


Protect from heat and radioactive sources


Contains sufficient for <n> tests

Catalog number


Keep away from sunlight


Biological risks


CE Mark

In-vitro diagnostic medical device

Serial number

Authorized representative in the European Community/European Union

MP Biomedicals Germany GmbH
Thueringer Str. 15
37269 Eschwege, Germany

Customer Service:
+49 (0) 5651 – 921-186
+49 (0) 5651 – 921-181
diagnostics@mpbio.com

REV.: 07IMA001-028-07-32-EN

APPENDIX

A. Warranty

Please complete the warranty card included in the packaging. Mail it to your local distributor to register your purchase within one year of purchase.

For your records, write the purchase date of your starter kit here:

_____

Note: This warranty applies only to the analyzer in the original purchase. It does not apply to the other materials included with the analyzer.

The MPQuanti™ analyzer is warranted against defects in material and workmanship for one (1) year after the date of delivery to the original purchaser.

During the stated one (1) year period, **MP Biomedicals** will replace with reconditioned comparable unit or, at **MP Biomedicals** option, repair a unit that is found to be defective. This warranty includes parts and labor at **MP Biomedicals**' facilities. It does not apply to the other materials included with the analyzer.

MP Biomedicals will not be responsible for shipping charges of the analyzer under this warranty. Warranty work is subject to the inspection of the unit. No analyzers or accessories will be accepted without a Return Material Authorization (RMA) number issued by **MP Biomedicals**. As soon as a RMA number has been assigned, a replacement analyzer will be made available for the duration of the repair.

An analyzer that may contain hazardous and / or infectious materials must be packed and labeled according to the U.S. Department of Transportation (DOT) and / or European Community (EC) regulations applying to the transportation of hazardous and / or infectious materials. All shipping documents must meet DOT and / or EC regulations. All returned units must be fully decontaminated of any chemical, biological or infectious agents. Acceptance of the return of an analyzer in our workshops is appreciated by **MP Biomedicals** with regard to the safety declaration filled and signed by the end user.

This Warranty is subject to the following exceptions and limitations:

This warranty is limited to repair or replacement due to defects in parts or workmanship. Parts required which were not defective shall be replaced at additional cost.

This warranty does not cover any adjustments, damages, or deterioration to or malfunction of the Products resulting from: abuse, accident, or negligence; use of abrasive or harsh cleaning agents; excessive exposure to heat or moisture; normal wear and tear; repair or modifications performed or attempted by personnel other than **MP Biomedicals** representative; failure to provide reasonable and necessary maintenance; misuse for purposes other than those originally intended. The warranty only covers the original customer and is not transferable. The warranty only applies if the customer has paid for the products in full.

All claims under this warranty must be submitted to **MP Biomedicals** in writing.

Furthermore, **MP Biomedicals** assumes no liability from malfunction or damage to analyzers caused by the use of products other than products manufactured by **MP Biomedicals**. **MP Biomedicals** reserves the right to make changes in the design of this analyzer without obligation to incorporate such changes into previously manufactured analyzers.

Disclaimer of Warranties

Information in this document is subject to change without notice.

MP Biomedicals Germany GmbH makes no warranty of any kind with regards to this material, including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose. **MP Biomedicals** shall not be liable for errors contained herein or for incidental or consequential damage in connection with the furnishing, performance, or use of this material.

Limitations of Liability

In no event shall **MP Biomedicals** be liable for indirect, special incidental or consequential damages, even if **MP Biomedicals** has been advised of the possibility of such damages.

For warranty service, please contact your local distributor.

B. Warranty Card

Please complete this warranty card and mail it to your local distributor to register your purchase within one year of purchase.

Purchaser	
Model	
Serial Number	
Date of Purchase	
Address	
Telephone Number	
E-Mail Address	

MP Biomedicals™

Need more information for your MPQuanti™?

Visit our website!

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